

Application No. 10/014,679  
Response After Final "B" Under 37 C.F.R. § 1.111 dated September 9, 2004  
Reply to FINAL Office Action mailed June 9, 2004

**Response Under 37 C.F.R § 1.116  
Expedited Procedure  
Examining Group 3663**

PATENT APPLICATION  
Docket No. 15436.247.45.1

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SEP 09 2004

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Jeffery D. Walker, et al.

Serial No.:

10/014,679

) Art Unit  
) 3663

Filed:

December 11, 2001

Confirmation No.:

3207

For:

# INTEGRATED OPTICAL DEVICE INCLUDING A VERTICAL LASING SEMICONDUCTOR OPTICAL AMPLIFIER

Customer No.:

Customer No. 022913

Examiner:

Mark Hellner

AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION UNDER 37 C.F.R. § 1.116


Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450


Dear Sir:

In response to the FINAL Office Action mailed June 9, 2004 (the "Office Action"), please amend the above-identified application as follows:


**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 9 of this paper.


<b>AMENDMENT TRANSMITTAL LETTER (Large Entity)</b>				Docket No. 15436.247.45.1	
Applicant(s): Walker et al.					
Application No. 10/014,679	Filing Date 12/11/2001	Examiner Mark Hellner	Customer No. 022913	Group Art Unit 3663	Confirmation No. 3207
Invention: <b>INTEGRATED OPTICAL DEVICE INCLUDING A VERTICAL LASING SEMICONDUCTOR OPTICAL AMPLIFIER</b>					
<b>RECEIVED CENTRAL FAX CENTER SEP 09 2004</b>					
<u>COMMISSIONER FOR PATENTS:</u>					
Transmitted herewith is an amendment in the above-identified application. The fee has been calculated and is transmitted as shown below.					
<b>CLAIMS AS AMENDED</b>					
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	33 -	34 =	0 x	\$18.00	\$0.00
INDEP. CLAIMS	5 -	5 =	0 x	\$86.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
<b>TOTAL ADDITIONAL FEE FOR THIS AMENDMENT</b>					<b>\$0.00</b>
<input checked="" type="checkbox"/> No additional fee is required for amendment. <input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of _____ <input type="checkbox"/> A check in the amount of _____ to cover the filing fee is enclosed. <input checked="" type="checkbox"/> The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account 23-3178 <input checked="" type="checkbox"/> Any additional filing fees required under 37 C.F.R. 1.16. <input type="checkbox"/> Any patent application processing fees under 37 CFR 1.17. <input type="checkbox"/> Payment by credit card. Form PTO-2038. <b>WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</b>					
 _____ Signature			Dated: September 9, 2004		
Eric L. Maschoff Registration No.: 36,596			<div style="border-bottom: 1px solid black; margin-bottom: 5px;">I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on _____ (Date)</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">Signature of Person Mailing Correspondence</div> <div style="border-bottom: 1px solid black;">Typed or Printed Name of Person Mailing Correspondence</div>		
CC:					

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cc:					

P11LARGE/REV08

<b>AMENDMENT TRANSMITTAL LETTER (Large Entity)</b>				Docket No. <b>15436.247.45.1</b>	
Applicant(s): <b>Walker et al.</b>					
Application No. <b>10/014,679</b>	Filing Date <b>12/11/2001</b>	Examiner <b>Mark Hellner</b>	Customer No. <b>022913</b>	Group Art Unit <b>3663</b>	Confirmation No. <b>3207</b>
Invention: <b>INTEGRATED OPTICAL DEVICE INCLUDING A VERTICAL LASING SEMICONDUCTOR OPTICAL AMPLIFIER</b>					
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The fee has been calculated and is transmitted as shown below.					
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Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
<b>TOTAL ADDITIONAL FEE FOR THIS AMENDMENT</b>					<b>\$0.00</b>
<input checked="" type="checkbox"/> No additional fee is required for amendment.					
<input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of _____					
<input type="checkbox"/> A check in the amount of _____ to cover the filing fee is enclosed.					
<input checked="" type="checkbox"/> The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account 23-3178					
<input checked="" type="checkbox"/> Any additional filing fees required under 37 C.F.R. 1.16.					
<input type="checkbox"/> Any patent application processing fees under 37 CFR 1.17.					
<input type="checkbox"/> Payment by credit card. Form PTO-2038.					
<b>WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</b>					
 _____ Signature			Dated: September 9, 2004		
Eric L. Maschoff Registration No.: 36,596			<div>I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on _____ (Date)</div> <div>_____ Signature of Person Mailing Correspondence</div> <div>_____ Typed or Printed Name of Person Mailing Correspondence</div>		
CC:					

P11LARGE/REV08

<b>CERTIFICATE OF TRANSMISSION BY FACSIMILE (37 CFR 1.8)</b>			Docket No. 15436.247.45.1
Applicant(s): Walker et al.			
Application No. 10/014,679	Filing Date December 11, 2001	Examiner Mark Hellner	Group Art Unit 3663
Invention: INTEGRATED OPTICAL DEVICE INCLUDING A VERTICAL LASING SEMICONDUCTOR OPTICAL AMPLIFIER			
<p>I hereby certify that this _____ <u>*See Below</u> _____ (Identify type of correspondence) is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. <u>703-872-9306</u>) on <u>September 9, 2004</u> (Date)</p> <p style="text-align: right;">Eric L. Maschoff (Typed or Printed Name of Person Signing Certificate)  (Signature)</p> <p>Note: Each paper must have its own certificate of mailing.</p> <ul style="list-style-type: none"><li>• Amendment Transmittal Letter (1 pg., in triplicate)</li><li>• Amendment and Response to Final Office Action (11 pgs)</li><li>• Certificate of Transmission by Facsimile (1 pg.)</li></ul>			

P18/REV02

# Workman Nydegger

1000 Eagle Gate Tower  
60 East South Temple  
Salt Lake City, Utah 84111  
Phone: (801) 533-9800  
Fax: (801) 328-1707

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## FAX TRANSMISSION COVER SHEET

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Date: September 9, 2004  
To: USPTO  
Mail Stop AF  
Fax: 703-872-9306  
Phone:  
Re: United States Patent Application Number 10/014,679  
Amendment Dated September 9, 2004  
Sender: Mandy Lomeli for Eric L. Maschoff

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YOU SHOULD RECEIVE 16 PAGE(S), INCLUDING THIS COVER SHEET. IF YOU DO  
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